

Cleveland Clinic ~ Case Western Reserve University ~ Ohio State University

# 2017 Annual Joint Biostatistics Symposium

## Thursday, April 20, 2017

Cleveland Clinic  
Weinberg Conference Center, Glickman Tower, Room Q1-300B  
East 96<sup>th</sup> Street between Carnegie and Euclid Avenues

For directions to Glickman and Parking P2, see:

<http://author.portals.ccf.org/Portals/35/Campus%20Map%200713.pdf> or [sr2c.case.edu/seminars](http://sr2c.case.edu/seminars)

### Schedule

- 11:00 a.m. **Registration and Poster Set-up**
- 11:15 a.m. **Introduction**
- 11:20 a.m. – Noon Abdus Sattar, PhD, Case Western Reserve University  
**“Joint Modeling of Longitudinal and Survival Data with a Covariate Subject to Limit of Detection”**
- Noon – 1:10 p.m. **Lunch and Poster Session**
- 1:10 p.m. – 1:50 p.m. Tanujit Dey, PhD, Cleveland Clinic  
**“Virtual Reality Assessment of Motor Function in Individuals with Parkinson’s Disease”**
- 1:50 p.m. – 2:30 p.m. Chi Song, PhD, Ohio State University  
**“BayesMP: A Bayesian Approach for Transcriptomic Meta-analysis and Gene Module Detection”**
- 2:30 p.m. – 3:00 p.m. **Break and Poster Session continued**
- 3:00 p.m. – 4:00 p.m. Francesca Dominici, PhD, Harvard T.H. Chan School of Public Health  
**“Human Health and Environmental Exposures: Connecting the Dots with Big Data”**

### Keynote Speaker - Francesca Dominici PhD

Department of Biostatistics, Professor, Department of Biostatistics, Senior Associate Dean for Research, Harvard T.H. Chan School of Public Health



*Abstract:* Can increased noise levels near airports cause higher rates of cardiovascular disease or stroke? Do even moderate increases in air pollution from sources such as automobiles and industrial smokestacks have a measurable effect on a community’s death rate? These and other questions that attempt to connect the dots between environmental exposures and human health are among the most complex challenges in public health research—and also among the most important. Fortunately, big data processing techniques being developed by Dr. Dominici’s lab are making it possible to handle large, messy data sets, integrate them, and extract meaningful conclusions as never before. This talk will shed light on these developments and look ahead to the future of big data throughout the field of public health.

Please RSVP at <https://tinyurl.com/gstjcql> (preferred),  
or to Stephanie Kocian by March 30<sup>th</sup>, [kocians@ccf.org](mailto:kocians@ccf.org)